

L41 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1981:193321 CAPLUS

DN 94:193321

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TI Automobile carpets

PA Chisso Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC B60N003-04; B32B027-12; B32B027-32

CC 37-2 (Plastics Fabrication and Uses)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 55152630	A2	19801128	JP 1979-58774	19790514 <--
	JP 56014491	B4	19810404		
PRAI	JP 1979-58774		19790514		

CLASS

	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 55152630	IC	B60N003-04IC	B32B027-12IC B32B027-32
AB	Polypropylene (I) flat yarns are drawn 400-1000% at 9-170°, set at 130-70° with 10-30% shrinkage, woven, piled with fibers, and backed with amorphous 10-60:40-90 ethylene-propylene copolymer (II) [9010-79-1] (melt index 0.5-100) to give floor coverings for automobiles with good press formability. Thus, a nylon-piled carpet with a 100-denier I flat yarn base fabric (700% drawing at 120°, set at 140° with 20% shrinkage) is back coated with molten, amorphous 40:60 II to 10 mm, cut to size, heated to 80°, and pressed 2 min to give a carpet with the contour of an automobile floor.		
ST	automobile carpet base fabric; polypropene fiber carpet automobile; ethylene copolymer carpet automobile; propylene copolymer carpet automobile; nylon pile carpet automobile		
IT	Carpets		
	(automotive, polypropene fiber-polyolefin backing for moldable)		
IT	Automobiles		
	(carpets for, moldable)		
IT	Polypropene fibers, uses and miscellaneous		
RL:	USES (Uses)		
	(carpets, for automobiles, moldable)		
IT	9010-79-1		
RL:	USES (Uses)		
	(carpet backings, for automobiles)		
RN	9010-79-1		

L41 ANSWER 2 OF 3 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN

AN 1981-06938D [05] WPIX

TI Automobile carpet having vibration absorption properties - obtd. by providing backing layer of non-crystalline ethylene -propylene polymer on woven cloth of stretched polypropylene.

DC A17 A82 A95 F06 P73 Q14

PA (CHCC) CHISSO CORP

CYC 1

PI	JP 55152630	A	19801128 (198105)*	<--
	JP 56014491	B	19810404 (198118)	
PRAI	JP 1979-58774		19790514	

IC B32B027-12; B60N003-04

AB JP 55152630 A UPAB: 19930915

The carpet is obtd. by providing a backing layer composed of a noncrystalline ethylene-propylene, containing 10 to 60 weight% ethylene and having a melt flow rate of 0.5 to 100, by-produced in the mfr. of

crystalline ethylene-propylene block copolymer on a woven cloth as the prim. base cloth, composed of a stretched polypropylene filament subjected to a 4-10 times-stretching treatment at 90-170 deg.C followed by a 10-30 % loosening anneal treatment at 130-170 deg.C. The backed cloth is then subjected to a press processing at 50 deg.C or more to form it into the shape of the floor of an automobile.

The woven cloth as the primary base cloth used includes nylon, polyester, rayon, polypropylene, polyethylene, PVC or other material-woven clothes. The carpet has excellent in vibration absorbability, cushioning property, sound shielding property, heat insulating property, etc. and also can be easily manufactured on a mass-production basis.

FS CPI GMPI

FA AB

MC CPI: A04-G03E; A04-G06; A12-B02; A12-T04B; F02-A03A; F03-E01; F04-E03

L41 ANSWER 3 OF 3 JAPIO (C) 2004 JPO on STN

AN 1980-152630 JAPIO

TI CAR CARPET

IN WATANABE TAKESHI; HARUTA HIROSHI; GOTO NOBUO; YOSHIZAKI MICHIO

PA CHISSO CORP

PI JP 55152630 A 19801128 Showa

AI JP 1979-58774 (JP54058774 Showa) 19790514

PRAI JP 1979-58774 19790514

SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 1980

IC ICM B60N003-04

ICA B32B027-12; B32B027-32

AB PURPOSE: To obtain a car carpet with high capacities for thermal insulation and others by applying a certain sort of noncrystalline copolymer of ethylene and propylene as a back-coating material to a primary substrate made of polypropylene under some conditions.  
CONSTITUTION: A cloth woven by line-shaped drawn materials of polypropylene annealed for relaxation at 130~170 deg.C with a relaxation rate of 10~30% after drawn 4~10 times longer at 90~170 deg.C, is used for a primary substrate. On the rear side of the substrate, a layer of noncrystalline ethylene-propylene copolymer made as a by-product of crystalline ethylene-propylene block copolymer, with a melt flow rate (measured at 230 deg.C and 2.16kg of load) 0.5~100 containing 10~60wt% of ethylene, is applied as a back-coating layer for making a tufted carpet. It is processed by pressing and heating above 50 deg.C, and shaped to fit to an uneven car floor. The obtained back-coating material can be easily stuck to the primary substrate.

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